

Center for Computer Graphics and Scientific Visualization

Directors Riesenfeld and Cohen, Ph.D.'s, University of Utah, Salt Lake City, Utah

Phone 581-8235, Fax 581-5843, e-mail cohen@cs.utah.edu

Background

Established in 1991 to develop integrated computer-aided solutions to problems in computer graphics, scientific visualization, computer aided geometric design and computer-aided manufacturing for industrial applications.

This center has successfully commercialized its technology by creating a company and has now graduated from the Centers of Excellence Program

Technology Development Progress

Computer design, modeling, graphics, and manufacturing technology for automating the whole "art-to-part" process, scalable from a small job shop to a large advanced industrial shop, national televideo infrastructure and learning via the national information highway.



Highlights and Accomplishments

Engineering Geometry Systems (EGS) was created in Utah using center technology. The company has released the next version (3.0) of its product. EGS has a strategic alliance for the sale of its software to Bridgeport Machines, Inc., a worldwide manufacturer of machine tools, to design and build machine tools to meet specific needs. This has resulted in an increase in employment at the company. Previously, EGS has created and delivered a custom product to Hill Air Force Base to increase its manufacturing productivity. Center technology has served as a base for this customized product. EGS has also worked with Loral Defense Systems for the creation of parts, which the company could not get designed or manufactured elsewhere.

The center is working with consultants for the application of center technology to the manufacture of a new oil drill bit. Success in this venture is expected to enhance a company's business by \$5-10 million a year. The center has also given valuable input to Governor Leavitt on various leading edge interactive televideo education methods.

Summary Data:

Current

1995-96 Award	\$100,000
Matching Funds	\$1,487,000
Patents Pending	0
Patents Issued	0
License Agreements	0
Spin-off Companies	0
Companies Assisted	5
Industry Jobs	15
Center Jobs	19

Cumulative

Awards	\$500,000
Matching Funds	\$7,646,256
Patents Issued	0
License Agreements	1
Spin-off Companies	1